



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,052	12/27/2005	Ralf Hoffmann	21334-1474 (41141US)	9419
29450	7590	03/11/2011		
BARLEY SNYDER, LLC 1000 WESTLAKES DRIVE, SUITE 275 BERWYN, PA 19312				
EXAMINER				
ROJAS, BERNARD				
ART UNIT		PAPER NUMBER		
2832				
NOTIFICATION DATE		DELIVERY MODE		
03/11/2011		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

berwynipdocket@barley.com
hsalamone@barley.com
sanastasi@barley.com

**Supplemental
Notice of Allowability**

Application No.

10/535,052

Examiner

BERNARD ROJAS

Applicant(s)

HOFFMANN ET AL.

Art Unit

2832

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 12/02/2010.
2. ☒ The allowed claim(s) is/are 1-9 and 11, 12, 14-20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Bernard Rojas/
Examiner, Art Unit 2832

/Lincoln Donovan/
Supervisory Patent Examiner, Art Unit 2816

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/02/2010 has been entered.

Allowable Subject Matter

Claims 1-9 and 11, 12, 15-20 are allowed.

The following is an examiner's statement of reasons for allowance:

Claim 1, the prior art of record does not teach nor suggest, in the claimed combination, a magnet system for a relay comprising: a coil body with a coil, a flange, and a side arm; a core partially enclosed by the coil; a yoke having a first yoke leg attached to a first end of the core and a second yoke leg extending parallel to the core, the second yoke leg having an armature mounting portion formed on an upper side of the second yoke leg remote from the coil; a pole having a first pole leg connected to a second end of the core and a second pole leg extending parallel to the core, the second pole leg having an upper surface substantially aligned with the armature mounting portion such that when an armature is mounted on the armature mounting portion, a working air gap is formed between a coil-side armature face and the upper surface of

the second pole leg, the pole is positioned between the side arm and the first flange; a fixed contact carrier with a fixed contact, the fixed contact carrier having side portions that extend from the fixed contact carrier and hold the fixed contact carrier in pockets of the side arm of the coil body such that the fixed contact is arranged parallel to surfaces of the armature mounting portion and the second pole leg; and the magnet system is extrusion coated with a plastic material, the coil, the yoke, the pole, and the fixed contact carrier being embedded in the plastic material. In particular, the prior art of record fails to teach and/or suggest a relay magnet system as claimed wherein the pole is positioned between the side arm of the coil body and the first flange of the coil body; a fixed contact carrier having side portions that extend from the fixed contact carrier and hold a fixed contact carrier in pockets of the side arm of the coil body such that the fixed contact is arranged parallel to surfaces of the armature mounting portion and the second pole leg; and the magnet system is extrusion coated with a plastic material, the coil, the yoke, the pole, and the fixed contact carrier being embedded in the plastic material.

Claim 11, the prior art of record does not teach nor suggest, in the claimed combination, an electromagnetic relay comprising: a magnet system having a coil body a side arm, a flange and a coil, and a core body with a core partially enclosed by the coil; a yoke having a first yoke leg attached to a first end of the core and a second yoke leg extending parallel to the core having an armature mounting portion; a pole having a first pole leg connected to a second end of the core and a second pole leg extending parallel to the core, the pole is positioned between the side arm and the flange; the

magnet system having a fixed contact arranged on a fixed contact carrier substantially aligned with the second pole leg, the fixed contact carrier being offset in a direction of the core and arranged in the coil body, the fixed contact carrier having side portions that extend from the fixed contact carrier and hold the fixed contact carrier in pockets of the side arm of the coil body such that the fixed contact is arranged parallel to surfaces of the armature mounting portion and the second pole leg; and the magnet system is extrusion coated with a plastic material, the coil, the yoke, the pole, and the fixed contact carrier being embedded in the plastic material. In particular, the prior art of record fails to teach and/or suggest a relay magnet system as claimed wherein the pole is positioned between the side arm of the coil body and the first flange of the coil body; a fixed contact carrier having side portions that extend from the fixed contact carrier and hold a fixed contact carrier in pockets of the side arm of the coil body such that the fixed contact is arranged parallel to surfaces of the armature mounting portion and the second pole leg; and the magnet system is extrusion coated with a plastic material, the coil, the yoke, the pole, and the fixed contact carrier being embedded in the plastic material.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

Applicant's arguments, filed 12/02/2010, with respect to claims 1-9 and 11-20 have been fully considered and are persuasive.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BERNARD ROJAS whose telephone number is (571)272-1998. The examiner can normally be reached on M and W-F, 10:00-7:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Br
/Bernard Rojas/
Examiner, Art Unit 2832
/Lincoln Donovan/
Supervisory Patent Examiner, Art Unit 2816